

AI Based Medical Technology of DAMO Academy Promoted Globally on the UN Stage

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Recently, at the AI for Good Global Summit held by the United Nations in Geneva, Switzerland, Alibaba DAMO Academy (Lakeside Lab) was invited to share various AI based cancer early screening technologies. The World Health Organization (WHO) Digital Health Collaboration Center announced a strategic partnership with DAMO Academy to promote this technology globally and help more developing countries fight cancer.

Cancer is a global public health challenge. The World Health Organization said that one-third of cancers can be cured through early screening and early treatment, but the industry still lacks reliable means of early cancer screening. DAMO Academy proposed a "plain scan CT + AI" multi-cancer early screening method, which achieved large-scale early screening of pancreatic cancer for the first time in the world. The relevant paper was published in the international journal Nature Medicine. A senior editor commented that this work is "a very eye-catching study that provides a very solid argument for the use of deep learning for pancreatic cancer CT screening." This is also the only achievement of a Chinese technology company selected in the "Global AI Highlights Research" of Stanford University's "2024 AI Index Report".

The DAMO Academy's AI medical team presented a video at the summit, showing a Chinese female patient's life after successfully recovering from cancer surgery. In a retrospective trial of more than 20,000 real cases, she was identified by AI as a suspected pancreatic cancer patient, and was subsequently determined to be a missed case and underwent surgery, becoming the world's first beneficiary of AI based pancreatic cancer early screening technology.

Lu Le said: "Behind this is AI, as a new scientific paradigm, which accelerates the improvement of clinical processes and stimulates innovation in modern medicine. We are expected to achieve AI for Health for All." At present, DAMO Academy's AI cancer early screening technology has provided services to more than 6 million people in China. In addition to pancreatic cancer, it also includes screening for high-incidence cancers such as esophageal cancer, intestinal cancer, and gastric cancer. Internationally, it has reached a strategic cooperation with the Ministry of Health of Antigua and Barbuda.



At the summit, the WHO Digital Health Collaborating Center and the DAMO Academy reached a strategic cooperation. The two sides will strengthen cooperation in channels, markets, implementation, technology, standards, etc., so that more developing countries and regions with uneven medical resources can share this cutting-edge achievement.

AI for Good Summit is the flagship summit of the United Nations in the field of AI. It is hosted by the International Telecommunication Union (ITU) and aims to promote the application and development of artificial intelligence in health, climate, gender equality, clean energy, inclusive prosperity, sustainable infrastructure and other key areas of global development. The summit was held at the Geneva International Conference Center in Switzerland from May 30 to 31. Speakers included UN Secretary-General Guterres, ITU Secretary-General Doreen Bogdan-Martin, IMF Chief Deputy Managing Director Gita Gopinath , OpenAI CEO Sam Altman and others.